Electronic Supporting Information 0.6 0.5 **Observed Curie-Weiss fitting** 0.4 χ / emu mol $^{-1}$ $C = 4.39 \text{ emu K mol}^{-1}$ $\theta = -9.2 \text{ K}$ 0.3 0.2 0.1 0.0 50 100 150 300 200 250 0 T/K

Figure S1. Temperature-dependent magnetic susceptibility (χ) of 2₂FeCl₄(DCE).